

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

F2_M3

C Number: C20009

Lock Date: 05/05/2008

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups: Include ALL

Study Gender: Both

TDMSE Version: 2.4.1.0_004

PWG Approval Date: 12/14/2010

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Lab: BAT

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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Lab: BAT

B6C3F1 MICE MALE		DAY ON TEST	TEST DATA																				males (cont...)				
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
0 mg/l		ANIMAL ID	7	5	7	6	5	5	7	7	6	7	7	5	4	7	7	6	5	6	7	7	7	males (cont...)			
			3	4	3	7	0	6	3	3	2	3	3	0	1	5	3	3	1	4	4	3	3				
Parathyroid Gland			1	1	3	2	0	8	2	2	2	7	1	1	0	9	5	1	0	9	3	1	2	2	1	2	5
Pituitary Gland			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thyroid Gland			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Follicular Cell, Adenoma			1	1	2	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8	9	0	1	2	3

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland		+
Epididymis Hepatocarcinoma, Metastatic, Liver	+	+
Preputial Gland	+	+
Prostate	+	+
Seminal Vesicle Hepatocarcinoma, Metastatic, Liver	+	A
Testes	+	+

HEMATOPOIETIC SYSTEM

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ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Gallbladder	A	A	A	+	A	+	+	A	+	+	+	+	+	+	+	A	+	+	A	+	+	36
Intestine Large, Cecum	A	+	A	+	A	A	+	A	+	+	+	+	+	+	+	A	+	+	A	+	+	35
Intestine Large, Colon	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	A	+	+	40
Intestine Large, Rectum	A	+	+	+	A	+	+	A	+	+	+	+	+	+	+	A	+	+	A	+	+	39
Intestine Small, Duodenum	A	+	A	+	A	+	+	A	+	+	+	+	+	+	+	A	+	+	A	+	+	36
Intestine Small, Ileum	A	+	+	+	A	A	+	A	+	+	+	+	+	+	+	A	+	+	A	+	+	36
Intestine Small, Jejunum Carcinoma	A	A	A	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	A	+	+	35
															X						2	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma																		X				5
Hepatoblastoma	X																					3
Hepatoblastoma, Multiple																						3
Hepatocellular Adenoma	X																					12
Hepatocellular Adenoma, Multiple																						21
Hepatocellular Carcinoma	X																					20
Hepatocellular Carcinoma, Multiple																						6
Hepatocholangiocarcinoma	X																					2
Mesentery	+															+						7

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GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

HEMATOPOIETIC SYSTEM

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Lab: BAT

B6C3F1 MICE MALE	DAY ON TEST																										* TOTALS		
		0 5 6 7	0 5 4 9	0 4 8 4	0 5 0 2	0 9 3 0	0 3 1 2	0 7 3 3	0 7 3 2	0 7 3 1	0 6 4 8	0 5 5 5	0 4 6 0	0 3 1 1	0 7 2 4	0 7 3 1	0 7 3 1	0 5 9 4	0 7 1 7	0 5 2 4	0 5 0 5	0 7 4 1	0 5 5 1						
0 mg/l	ANIMAL ID	0 0 0 2 6	0 0 0 2 7	0 0 0 2 8	0 0 0 3 9	0 0 0 3 0	0 0 0 3 1	0 0 0 3 2	0 0 0 3 3	0 0 0 3 4	0 0 0 3 5	0 0 0 3 6	0 0 0 3 7	0 0 0 3 8	0 0 0 3 9	0 0 0 4 0	0 0 0 4 1	0 0 0 4 2	0 0 0 4 3	0 0 0 4 4	0 0 0 4 5	0 0 0 4 6	0 0 0 4 7	0 0 0 4 8	0 0 0 4 9	0 0 0 5 0			
Lymph Node		+ X																										2 1	
Mediastinal, Hepatocarcinoma, Metastatic, Liver																													
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1		
Rhabdomyosarcoma, Metastatic, Skeletal Muscle																													
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	M	+	+	+	45			
Spleen		A	+	A	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46 1			
Hemangiosarcoma																													
Thymus		A	+	+	+	A	+	+	A	M	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	41 1			
Hepatocellular Carcinoma, Metastatic, Liver																													
Hepatocarcinoma, Metastatic, Liver		X																											
INTEGUMENTARY SYSTEM																													
Mammary Gland		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0		
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1		
Subcutaneous Tissue, Fibrous Histiocytoma																													
Subcutaneous Tissue, Hemangioma																													1
Subcutaneous Tissue, Hemangiosarcoma																													1
X																													
MUSCULOSKELETAL SYSTEM																													
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Skeletal Muscle																													1

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ALIMENTARY SYSTEM

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CARDIOVASCULAR SYSTEM

Heart

Hemangiosarcoma

Hepatocellular Carcinoma, Metastatic, Liver

Histiocytic Sarcoma

Y

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Lab: BAT

Lymphoma Malignant
Sarcoma, Metastatic, Liver

ENDOCRINE SYSTEM

Adrenal Cortex
Histiocytic Sarcoma
Lymphoma Malignant
Sarcoma, Metastatic, Live
Subcapsular, Adenoma

Adrenal Medulla Lymphoma Malignant

Islets, Pancreatic

Parathyroid Gland

Pituitary Gland Lymphoma Malignant

Thyroid Gland Follicular Cell, Carcinoma

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis

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Lab: BAT

B6C3F1 MICE MALE 312.5 mg/l		DAY ON TEST	ANIMAL ID																				males (cont...)			
			07	06	07	05	07	07	05	07	06	07	05	07	07	06	07	06	05	04	06	07				
		34	31	93	33	33	83	23	32	33	83	32	33	83	32	93	30	47	33	32	70	30	30			
		22	22	53	32	12	23	12	32	12	32	12	30	10	01	22	01	55	05	50	82	27	07	00		
		55	55	55	55	55	55	57	58	59	50	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
		11	22	33	44	55	66	77	88	99	00	11	22	33	44	55	66	77	88	99	00	11	22	33	44	55
Preputial Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Prostate		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Seminal Vesicle		+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Interstitial Cell, Adenoma																					X					

HEMATOPOIETIC SYSTEM

* Total animals with tissue examined microscopically: Total animals with tumor

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Multiple Organ Histiocytic Sarcoma Lymphoma Malignant

males
(cont...)

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Lab: BAT

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	7	7	7	6	7	7	6	7	5	7	7	6	7	5	7	6	7	7	6	
312.5 mg/l	ANIMAL ID	3	3	3	3	2	3	1	3	3	8	3	0	2	3	1	9	3	7	7	2	3
		2	1	1	2	7	2	2	4	1	1	5	2	4	7	2	3	2	5	2	1	2

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Gallbladder	+	+	+	+	+	+	+	A	+	+	+	A	A	+	A	+	+	A	+	+	A	A	+	33	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	A	A	+	A	+	+	+	A	+	+	A	+	34	
Intestine Large, Colon Sarcoma, Metastatic, Liver	+	+	+	+	+	+	+	+	+	+	+	A	A	+	A	+	+	+	+	+	+	A	+	40	
												X											1		
Intestine Large, Rectum	+	+	+	+	+	+	A	+	+	+	+	A	A	+	A	+	+	+	+	+	+	A	+	38	
Intestine Small, Duodenum Peyer's Patch, Lymphoma Malignant	+	+	+	+	+	+	A	+	+	+	+	A	A	+	A	A	+	+	A	A	+	A	A	+	31
							X																1		
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	A	A	+	A	+	+	+	A	+	+	A	+	35	
Intestine Small, Jejunum Adenoma Carcinoma	+	+	+	+	+	+	A	+	+	+	+	A	A	+	A	+	+	+	A	+	+	A	+	32	
							X																1		
							X																1		
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemangioma												X												1	
Hemangiosarcoma	X											X							X					4	
Hepatoblastoma													X							X				5	
Hepatoblastoma, Multiple														X							X			1	
Hepatocellular Adenoma	X			X	X	X	X	X						X		X		X			X	X	X	11	
Hepatocellular Adenoma, Multiple	X			X	X	X	X	X	X			X	X		X		X		X	X	X	X	30		
Hepatocellular Carcinoma	X				X					X	X				X			X		X				13	
Hepatocellular Carcinoma, Multiple					X					X	X				X			X		X				10	

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Lab: BAT

B6C3F1 MICE MALE	312.5 mg/l	DAY ON TEST																										* TOTALS
			0 7 3 2	0 7 3 1	0 6 2 7	0 7 1 4	0 7 3 1	0 5 1 5	0 7 2 4	0 6 2 2	0 5 1 3	0 5 2 2	0 7 2 2	0 6 2 2	0 7 2 1	0 6 2 1	0 7 3 2											
ANIMAL ID			0 0 0 0 0 7 6	0 0 0 0 0 7 7	0 0 0 0 0 8 8	0 0 0 0 0 8 8	0 0 0 0 0 8 8	0 0 0 0 0 8 8	0 0 0 0 0 8 8	0 0 0 0 0 9 9	* TOTALS																	
Hepatocarcinoma		X			X																							2
Histiocytic Sarcoma																												1
Ito Cell Tumor Malignant																												1
Lymphoma Malignant																												1
Sarcoma																												1
Mesentery																												1
Lymphoma Malignant																												1
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Histiocytic Sarcoma																												1
Sarcoma, Metastatic, Liver																												1
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Hemangioma																												1
Histiocytic Sarcoma																												1
Squamous Cell Papilloma																												1
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45	
Histiocytic Sarcoma																												1
Tooth		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41	
CARDIOVASCULAR SYSTEM																												
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemangiosarcoma																												1
Hepatocellular Carcinoma, Metastatic, Liver																												2
Histiocytic Sarcoma																												1

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Lab: BAT

ENDOCRINE SYSTEM

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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*** TOTALS**

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Lab: BAT

		DAY ON TEST	0 7 3 2	0 7 3 1	0 6 3 2	0 7 1 4	0 7 3 1	0 5 1 5	0 7 2 2	0 6 2 7	0 7 2 2	0 5 1 2	0 5 3 2	0 7 2 2	0 6 5 2	0 7 2 2	0 7 1 2	0 7 3 2	0 6 2 1	0 6 2 2	0 7 3 2	* TOTALS					
		ANIMAL ID	0 0 0 7 6	0 0 0 7 7	0 0 0 8 9	0 0 0 8 0	0 0 0 8 1	0 0 0 8 2	0 0 0 8 3	0 0 0 8 4	0 0 0 8 5	0 0 0 8 6	0 0 0 8 7	0 0 0 8 8	0 0 0 8 9	0 0 0 9 0	0 0 0 9 1	0 0 0 9 2	0 0 0 9 3	0 0 0 9 4	0 0 0 9 5	0 0 0 9 6	0 0 0 9 7	0 0 0 9 8	0 0 0 9 9	* TOTALS	
B6C3F1 MICE MALE	312.5 mg/l																										
Histiocytic Sarcoma																					X				1		
Lymphoma Malignant																						X			1		
Sarcoma, Metastatic, Liver																									1		
Nose																									50		
Pleura																									1		
Hepatocellular Carcinoma, Metastatic, Liver																									1		
Trachea																									49		
SPECIAL SENSES SYSTEM																											
Eye																					A	A	A	A	A	39	
Harderian Gland																					A	A	A	A	A	47	
Adenoma																					X	X	X	X	X	5	
Carcinoma																					X	X	X	X	X	4	
URINARY SYSTEM																											
Kidney																											50
Lymphoma Malignant																					X	X	X	X	X	2	
Sarcoma, Metastatic, Liver																					X	X	X	X	X	1	
Urethra																											3
Urinary Bladder																											45

SYSTEMIC LESIONS

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically: Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE MALE		DAY ON TEST	Males (cont...)																			
			0 5 5 1	0 7 3 1	0 7 4 2	0 5 9 8	0 6 6 4	0 5 3 9	0 7 3 2	0 4 3 6	0 7 3 1	0 7 3 0	0 5 6 0	0 7 3 2	0 7 3 0	0 7 3 1	0 6 2 8	0 5 2 4	0 4 7 0	0 7 3 1		
625 mg/l		ANIMAL ID	0 0 1 0 1	0 0 1 0 0	0 0 1 0 1																	
			1 0 1	2 0 0	3 0 0	4 5 0	5 6 0	6 7 0	7 8 0	8 9 0	9 0 1	0 2 1	1 3 2	3 4 1	4 5 1	5 6 1	6 7 1	7 8 0	8 9 0	9 0 1	0 2 1	1 2 2

Spleen
Hemangiosarcoma

Thymus
Hepatoblastoma, Metastatic, Liver
Hepatocellular Carcinoma, Metastatic, Liver

INTEGUMENTARY SYSTEM

Mammary Gland

Skin
Subcutaneous Tissue, Hemangiosarcoma
Subcutaneous Tissue, Lipoma

MUSCULOSKELETAL SYSTEM

Bone
Chondrosarcoma

NERVOUS SYSTEM

RESPIRATORY SYSTEM

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE MALE	DAY ON TEST																					* TOTALS		
		0 7 3 1	0 6 3 1	0 7 1 5	0 7 3 2	0 6 7 9	0 7 3 1	0 4 6 1	0 7 5 9	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 0	0 7 3 2	0 5 6 5			
625 mg/l	ANIMAL ID	0 0 1 2 6	0 0 1 2 7	0 0 1 3 0	0 0 1 3 1	0 0 1 3 2	0 0 1 3 3	0 0 1 3 4	0 0 1 3 5	0 0 1 3 6	0 0 1 3 7	0 0 1 3 8	0 0 1 3 9	0 0 1 4 0	0 0 1 4 1	0 0 1 4 2	0 0 1 4 3	0 0 1 4 4	0 0 1 4 5	0 0 1 4 6	0 0 1 4 7	0 0 1 4 8	0 0 1 4 9	0 0 1 5 0
Pancreas		+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Stomach, Forestomach Squamous Cell Carcinoma		+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47		
Stomach, Glandular		+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43		
Tooth		+	+	+		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	42		
CARDIOVASCULAR SYSTEM																								
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hepatocellular Carcinoma, Metastatic, Liver																			X			2		
ENDOCRINE SYSTEM																								
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Adenoma																						1		
Hepatocellular Carcinoma, Metastatic, Liver																						1		
Subcapsular, Adenoma																						5		
X																								
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hepatocellular Carcinoma, Metastatic, Liver																						1		
Islets, Pancreatic		+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Adenoma																						1		
Parathyroid Gland		+	+	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	44		

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE MALE	625 mg/l	DAY ON TEST																					* TOTALS			
			0 7 3 1	0 6 6 1	0 7 3 1	0 5 1 9	0 7 0 7	0 6 3 2	0 7 3 1	0 4 6 1	0 7 5 9	0 7 3 2	0 7 3 1	0 7 3 2												
ANIMAL ID	0 0 1 2 6	0 0 1 2 7	0 0 1 2 8	0 0 1 2 9	0 0 1 3 0	0 0 1 3 1	0 0 1 3 2	0 0 1 3 3	0 0 1 3 4	0 0 1 3 5	0 0 1 3 6	0 0 1 3 7	0 0 1 3 8	0 0 1 3 9	0 0 1 4 0	0 0 1 4 1	0 0 1 4 2	0 0 1 4 3	0 0 1 4 4	0 0 1 4 5	0 0 1 4 6	0 0 1 4 7	0 0 1 4 8	0 0 1 4 9		
Hepatocellular Carcinoma, Metastatic, Liver	X						X	X	X						X		X		X		X		12			
Hepatocholangiocarcinoma, Metastatic, Liver																								1		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Trachea	+	A	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	45			
SPECIAL SENSES SYSTEM																										
Eye	+	A	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	43	
Harderian Gland	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Adenoma																									3	
Carcinoma																									1	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hepatocellular Carcinoma, Metastatic, Liver																									X	2
Hepatocholangiocarcinoma, Metastatic, Liver																										1
Renal Tubule, Carcinoma																										1
Urethra																										5
Urinary Bladder	+	A	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	45		
SYSTEMIC LESIONS																										
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymphoma Malignant																										2

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

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* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

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Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

NONE

GENITAL SYSTEM

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically: Total animals with tumor

+ .. Tissue examined microscopically

X., Lesion present

I. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

		DAY ON TEST	0 7 3 2	0 7 1 3	0 7 2 3	0 7 3 0	0 7 3 2	0 7 2 1	0 7 5 2	0 7 3 1	0 7 3 0	0 7 3 1	0 7 3 2	0 7 3 4	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 1			
		ANIMAL ID	0 0 1 7 6	0 0 1 7 7	0 0 1 7 8	0 0 1 8 9	0 0 1 8 0	0 0 1 8 1	0 0 1 8 2	0 0 1 8 3	0 0 1 8 4	0 0 1 8 5	0 0 1 8 6	0 0 1 8 7	0 0 1 8 8	0 0 1 8 9	0 0 1 9 0	0 0 1 9 1	0 0 1 9 2	0 0 1 9 3	0 0 1 9 4	0 0 1 9 5	0 0 1 9 6	0 0 1 9 7	0 0 1 9 8	0 0 1 9 9
* TOTALS																										

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Seminal Vesicle	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Interstitial Cell, Adenoma																X									1

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma																	X								2
Lymph Node																									1
Mediastinal, Hemangiosarcoma																									1
Mediastinal, Hepatocellular Carcinoma, Metastatic, Liver																									1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Carcinoma, Metastatic, Liver																									1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	45
Spleen	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

* Total animals with tissue examined microscopically: Total animals with tumor

M - Missing tissue

± = Tissue examined microscopically

A - Autolysis precludes evaluation

X Lesion present

BLANK Not examined microscopically

Insufficient tissue

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE FEMALE		DAY ON TEST	0 mg/l																					
			07 33 11	07 37 20	06 29	07 48	06 18	07 19	07 09	07 00	07 30	07 16	07 11	03 47	03 30	07 09	07 00	07 11	06 89	07 29	07 30	07 29		
ANIMAL ID		00 02 00 11	00 02 00 23	00 02 00 34	00 02 00 45	00 02 00 56	00 02 00 67	00 02 00 78	00 02 00 89	00 02 00 00	00 02 00 01	00 02 00 12	00 02 00 23	00 02 00 34	00 02 00 45	00 02 00 56	00 02 00 67	00 02 00 78	00 02 00 89	00 02 00 00	00 02 00 01	00 02 00 12	00 02 00 23	00 02 00 34
		00 02 00 11	00 02 00 23	00 02 00 34	00 02 00 45	00 02 00 56	00 02 00 67	00 02 00 78	00 02 00 89	00 02 00 00	00 02 00 01	00 02 00 12	00 02 00 23	00 02 00 34	00 02 00 45	00 02 00 56	00 02 00 67	00 02 00 78	00 02 00 89	00 02 00 00	00 02 00 01	00 02 00 12	00 02 00 23	00 02 00 34

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

INTEGUMENTARY SYSTEM

Mammary Gland Lymphoma Malignant

Skin

Mast Cell Tumor Benign

Subcutaneous Tissue, Hemangiosarcoma

Subcutaneous Tissue, Sarcoma

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE FEMALE		DAY ON TEST	0 mg/l																				females (cont...)	
			07	07	03	06	07	06	07	07	07	07	03	07	07	07	07	06	07	07	06	07		
1	1	1	2	0	9	4	8	1	9	0	1	6	1	7	0	9	0	1	8	9	0	9	1	
ANIMAL ID		00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
		22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	
1	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	

Eye

Carcinoma, Metastatic, Harderian Gland

Harderian Gland
Adenoma
Carcinoma
Lymphoma

URINARY SYSTEM

Kidney
Lymphoma Malignant

+ + A + + + + + + + + + + + + + + + + + + X X X X

Urinary Bladder Lymphoma Malignant

+ + A + + A + + + + + + + + A + + + + + + + X X

SYSTEMIC LESIONS

Multiple Organ Histiocytic Sarcoma Lymphoma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

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First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE FEMALE	DAY ON TEST																									* TOTALS		
		0 6 4 3	0 6 8 2	0 7 3 1	0 7 2 9	0 7 3 1	0 7 2 9	0 7 3 0	0 7 3 9	0 7 3 1	0 7 3 0	0 7 3 9	0 7 3 1	0 7 3 8	0 5 3 9	0 6 3 9	0 7 2 9	0 7 3 1	0 7 3 0	0 7 3 9	0 7 3 0	0 7 3 9	0 7 3 0					
0 mg/l	ANIMAL ID	0 0 2 2 2	0 0 2 2 2	0 0 2 2 3	0 0 2 3 3	0 0 3 3 3	0 0 3 3 4	0 0 3 3 5	0 0 3 3 6	0 0 3 3 7	0 0 3 3 8	0 0 3 3 9	0 0 3 4 0	0 0 3 4 1	0 0 3 4 2	0 0 3 4 3	0 0 3 4 4	0 0 3 4 5	0 0 3 4 6	0 0 3 4 7	0 0 3 4 8	0 0 3 4 9	0 0 3 4 0					
Histiocytic Sarcoma																										X	1	
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Histiocytic Sarcoma																										X	1	
Lymphoma Malignant																											3	
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymphoma Malignant																											1	
Stomach, Forestomach		+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47		
Stomach, Glandular		A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45		
CARDIOVASCULAR SYSTEM																												
Blood Vessel																											+	2
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
ENDOCRINE SYSTEM																												
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Lymphoma Malignant																												1
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Pheochromocytoma Benign																												1
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Parathyroid Gland		+	+	+	+	+	M	M	+	+	M	+	+	+	+	M	+	M	M	+	+	M	+	+	+	+	38	
Lymphoma Malignant																												1

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE FEMALE 0 mg/l	DAY ON TEST ANIMAL ID	* TOTALS																							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	6	7	7	7
		4	8	3	2	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3
		3	2	1	9	9	1	9	9	0	9	9	1	1	0	9	1	0	9	1	8	9	9	1	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9

Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant																											1
Pars Distalis, Adenoma																											4
																											X
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Lymphoma Malignant																											1

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Cystadenoma																											3
Histiocytic Sarcoma																											1
Lymphoma Malignant																											3
																											X
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Histiocytic Sarcoma																											1
Lymphoma Malignant																											3
Polyp Stromal																											2
Endometrium, Adenoma																											1
																											X
																											X

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Hemangiosarcoma																											1

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

MUSCULOSKELETAL SYSTEM

NERVOUS SYSTEM

RESPIRATORY SYSTEM

Nose

Hache

SPECIAL SENSES SYSTEM

SPECIAL SENSES SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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Lab: BAT

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+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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TDMS No. 20009 - 04

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Route: DOSED WATER

Species/Strain: MICE/B6C3F1

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First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1

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beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

		DAY ON TEST	0 7 2 9	0 6 8 5	0 5 8 8	0 7 2 9	0 5 0 8	0 7 3 0	0 6 9 0	0 5 2 7	0 5 1 3	0 7 3 1	0 6 8 0	0 7 2 9	0 7 3 0	0 7 2 9											
		ANIMAL ID	0 0 2 5 1	0 0 2 5 2	0 0 2 5 3	0 0 2 5 4	0 0 2 5 5	0 0 2 5 6	0 0 2 5 7	0 0 2 5 8	0 0 2 5 9	0 0 2 6 0	0 0 2 6 1	0 0 2 6 2	0 0 2 6 3	0 0 2 6 4	0 0 2 6 5	0 0 2 6 6	0 0 2 6 7	0 0 2 6 8	0 0 2 6 9	0 0 2 7 0	0 0 2 7 1	0 0 2 7 2	0 0 2 7 3	0 0 2 7 4	0 0 2 7 5
B6C3F1 MICE FEMALE																											
312.5 mg/l																											
Lumbar, Hemangiosarcoma																											
Lumbar, Lymphoma Malignant																											
Mediastinal, Lymphoma Malignant																											
Pancreatic, Lymphoma Malignant																											
Renal, Hemangiosarcoma																											
Renal, Lymphoma Malignant																											
Lymph Node, Mandibular Lymphoma Malignant																											
Lymph Node, Mesenteric Lymphoma Malignant																											
Spleen																											
Hemangiosarcoma																											
Lymphoma Malignant																											
Mast Cell Tumor Malignant																											
Thymus																											
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																											
Lymphoma Malignant																											

INTEGUMENTARY SYSTEM

Mammary Gland Carcinoma

Skin

Subcutaneous Tissue, Fibrous Histiocytoma
Subcutaneous Tissue, Hemangiosarcoma

+

+

+

X

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

Lymphoma Malignant
Bilateral, Carcinoma

X

URINARY SYSTEM

Kidney
Lymphoma Malignant
Mast Cell Tumor Malignant

Urinary Bladder Lymphoma Malignant

$$+ \quad A \quad A \quad + \quad A \quad + \quad A \quad + \quad A \quad A \quad + \quad A \quad + \quad + \quad + \quad A \quad + \quad + \quad + \quad X$$

SYSTEMIC LESIONS

Multiple Organ Lymphoma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE FEMALE	312.5 mg/l	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			4	7	7	3	7	6	6	7	7	7	7	7	7	5	7	7	7	6	6	7	6	7	
ANIMAL ID			9	3	3	8	3	2	8	2	9	0	0	1	9	0	0	4	8	1	3	2	9	6	7
			4	0	1	2	0	8	2	9	0	0	1	9	0	0	4	8	1	3	2	9	6	7	
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
			7	7	7	7	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	
			6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically: Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

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Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

CARDIOVASCULAR SYSTEM

Blood Vessel		+	3
Heart	+	+	50
Lymphoma Malignant	X	X	2

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

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First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE FEMALE 312.5 mg/l	DAY ON TEST	ANIMAL ID																					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	7	7	3	7	6	6	7	7	7	7	7	7	7	7	7	7	5	7	7	6	7	7
	9	3	3	8	3	2	7	2	3	3	1	2	3	3	0	1	3	2	3	2	6	6	3
	4	0	1	2	0	8	2	9	0	0	1	9	0	0	4	8	1	3	2	0	9	2	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	7	7	7	7	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8

*** TOTALS**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically: Total animals with tumor

± .. Tissue examined microscopically

X, Lesion present

I. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

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First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

		DAY ON TEST																										
B6C3F1 MICE FEMALE			4	7	3	7	3	7	6	7	0	7	0	7	7	0	7	0	7	5	7	7	0	7	0	6	7	
312.5 mg/l		9	3	3	8	3	2	7	2	3	3	1	2	3	3	0	4	8	1	3	3	2	3	0	9	2	6	3
		4	0	1	2	0	8	2	9	0	0	1	9	0	0	4	8	1	3	3	2	3	0	9	2	6	3	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
		7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	0	
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	9	0	
																						* TOTALS						
Lumbar, Hemangiosarcoma																						1						
Lumbar, Lymphoma Malignant																						3						
Mediastinal, Lymphoma Malignant																						1						
Pancreatic, Lymphoma Malignant																						1						
Renal, Hemangiosarcoma																						1						
Renal, Lymphoma Malignant																						3						
Lymph Node, Mandibular		A	+	M	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	M	+	42					
Lymphoma Malignant																						10						
X																						10						
Lymph Node, Mesenteric		A	+	+	A	+	+	A	+	+	A	+	+	+	+	A	+	+	+	+	+ X	+ X	+ X	+ X	+ X			
Lymphoma Malignant																						9						
A																						38						
X																						9						
Spleen		A	+	+	A	+	+	A	+	+	A	+	+	+	+	A	+	+	+	+	+ X	+ X	+ X	+ X	+ X			
Hemangiosarcoma																						2						
Lymphoma Malignant																						10						
Mast Cell Tumor Malignant																						1						
X																						1						
Thymus		+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	A	+	44					
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																						1						
X																						11						

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

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beta-Picoline

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Lab: BAT

B6C3F1 MICE FEMALE 312.5 mg/l	DAY ON TEST																										
		0 4 9 4	0 7 3 0	0 7 3 2	0 6 3 0	0 7 2 8	0 7 2 2	0 7 3 0	0 7 1 9	0 7 3 0	0 7 3 0	0 7 0 4	0 7 1 8	0 7 3 1	0 7 3 4	0 7 2 0	0 7 3 0	0 7 3 0	0 7 2 9	0 7 3 2	0 7 3 0	0 7 2 9	0 6 3 1	* TOTALS			
ANIMAL ID		0 0 0 2 7 6	0 0 0 2 7 7	0 0 0 2 8 9	0 0 0 2 8 8	0 0 0 2 8 3	0 0 0 2 8 4	0 0 0 2 8 5	0 0 0 2 8 6	0 0 0 2 8 7	0 0 0 2 8 8	0 0 0 2 8 9	0 0 0 2 9 0	0 0 0 2 9 1	0 0 0 2 9 2	0 0 0 2 9 3	0 0 0 2 9 4	0 0 0 2 9 5	0 0 0 2 9 6	0 0 0 2 9 7	0 0 0 2 9 8	0 0 0 2 9 9	0 0 0 2 9 0	* TOTALS			
	Subcutaneous Tissue, Sarcoma																									2	
	MUSCULOSKELETAL SYSTEM																									50	
	Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
	NERVOUS SYSTEM	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	47
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar/Bronchiolar Adenoma	X																										5
Alveolar/Bronchiolar Adenoma, Multiple																											1
Alveolar/Bronchiolar Carcinoma																											6
Alveolar/Bronchiolar Carcinoma, Multiple																											2
Hepatocellular Carcinoma, Metastatic, Liver																											5
Lymphoma Malignant																											6
Mast Cell Tumor Malignant																											1
Nose	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	M	+	44
Trachea	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	M	+	41

SPECIAL SENSES SYSTEM

Eye	A + + A + A A + + + + A + + + + + + + + M +	35
Harderian Gland Carcinoma	A + + + + + + + + A + + + + + X A + + + + + + + + M +	41 1

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE FEMALE 312.5 mg/l	DAY ON TEST ANIMAL ID																									* TOTALS	
		0 4 9 4	0 7 3 0	0 7 3 2	0 6 2 8	0 7 2 9	0 7 3 0																				
		0 0 0 2 7 6	0 0 0 2 7 7	0 0 0 2 7 8	0 0 0 2 8 9	0 0 0 2 8 0	0 0 0 2 8 1	0 0 0 2 8 2	0 0 0 2 8 3	0 0 0 2 8 4	0 0 0 2 8 5	0 0 0 2 8 6	0 0 0 2 8 7	0 0 0 2 8 8	0 0 0 2 8 9	0 0 0 2 8 0	0 0 0 2 8 1	0 0 0 2 8 2	0 0 0 2 8 3	0 0 0 2 8 4	0 0 0 2 8 5	0 0 0 2 8 6	0 0 0 2 8 7	0 0 0 2 8 8	0 0 0 2 8 9	X	1 0 0 0 0 0

URINARY SYSTEM

Kidney	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	47
Lymphoma Malignant																	X									6
Mast Cell Tumor Malignant																	X									1
Urinary Bladder	A	+	+	+	+	+	A	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	A	+	
Lymphoma Malignant							X										X									37
																	X									4

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X	+	+	+	+	+	+	+	50
Lymphoma Malignant																		X								15

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

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Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

CARDIOVASCULAR SYSTEM

Blood Vessel

Heart

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

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First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

		DAY ON TEST	0 7 2 9	0 7 3 1	0 7 0 4	0 7 3 9	0 7 2 9	0 7 3 0	0 7 2 9	0 7 3 1	0 7 9 0	0 7 2 9	0 7 3 1	0 7 2 9	0 7 2 9	0 7 2 9	0 7 2 9	0 6 1 2	0 6 4 3	0 7 4 3	0 7 1 0	
		ANIMAL ID	0 0 3 0 1	0 0 3 0 2	0 0 3 0 5	0 0 3 0 7	0 0 3 0 8	0 0 3 0 9	0 0 1 0	0 1 2 0	0 1 2 3	0 1 4 5	0 1 5 6	0 1 6 7	0 1 7 8	0 1 8 9	0 1 9 0	0 2 1	0 2 2	0 2 3	0 2 4	0 2 5

females
(cont...)

Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																			X		
Lymphoma Malignant																					
Cervix, Sarcoma																					

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																			X		
Lymph Node																					
Lymphoma Malignant																					
Deep Cervical, Lymphoma Malignant																					
Lumbar, Lymphoma Malignant																					
Mediastinal, Lymphoma Malignant																					
Renal, Histiocytic Sarcoma																					
Renal, Lymphoma Malignant																				X	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																					
Lymphoma Malignant																					
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																					
Lymphoma Malignant																					
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																					
Lymphoma Malignant																					

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

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TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

		DAY ON TEST	0 7 2 9	0 7 3 1	0 7 0 4	0 7 3 9	0 7 2 9	0 7 3 0	0 7 3 1	0 7 2 9	0 7 3 0	0 7 2 9	0 7 3 1	0 7 2 9	0 7 2 9	0 7 2 9	0 7 1 2	0 6 4 3	0 6 4 7	0 7 1 2	0 6 4 7	0 7 1 0				
		ANIMAL ID	0 0 3 0 1	0 0 3 0 2	0 0 3 0 5	0 0 3 0 6	0 0 3 0 7	0 0 3 0 8	0 0 3 0 9	0 0 1 1 0	0 1 1 2 1	0 1 1 3 4	0 1 1 4 5	0 1 1 5 6	0 1 1 6 7	0 1 1 7 8	0 1 1 8 9	0 1 1 9 0	0 1 2 3 1	0 2 2 2 2	0 2 2 2 3	0 2 2 2 4	0 2 2 3 5	females (cont...)		
B6C3F1 MICE FEMALE	625 mg/l																									
Carcinoma, Metastatic, Harderian Gland																		X				X				
Hepatocellular Carcinoma, Metastatic, Liver							X	X			X								X			X				
Histiocytic Sarcoma																						X				
Lymphoma Malignant							X				X															
Sarcoma, Metastatic, Skin																										
Nose			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Trachea			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
SPECIAL SENSES SYSTEM																										
Eye			+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	A	A		
Harderian Gland			+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+		
Adenoma					X																	X				
Carcinoma						X																X				
URINARY SYSTEM																										
Kidney			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Histiocytic Sarcoma																										
Lymphoma Malignant																										
Urinary Bladder			+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+		
Lymphoma Malignant																										
SYSTEMIC LESIONS																										
Multiple Organ			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Histiocytic Sarcoma																										

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

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BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE FEMALE	625 mg/l	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			7	6	6	5	7	7	7	7	5	7	7	7	7	6	7	7	6	6	6	7	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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TDMS No. 20009 - 04

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Lab: BAT

B6C3F1 MICE FEMALE 625 mg/l	DAY ON TEST ANIMAL ID																									* TOTALS	
		0 7 2 9	0 6 4 8	0 6 2 0	0 5 4 9	0 7 3 1	0 7 3 0	0 7 2 9	0 7 3 1	0 7 2 9	0 7 3 0																
Lymphoma Malignant																									X	5	
Rhabdomyosarcoma, Metastatic, Uncertain Primary Site																									X	1	
Mesentery																									+	16	
Lipoma																										X	1
Lymphoma Malignant																											1
Rhabdomyosarcoma, Metastatic, Uncertain Primary Site																										X	1
Pancreas																									+	+	46
Lymphoma Malignant																										X	2
Rhabdomyosarcoma, Metastatic, Uncertain Primary Site																											1
Salivary Glands																									+	+	47
Histiocytic Sarcoma																											1
Stomach, Forestomach																									+	+	45
Squamous Cell Papilloma																											1
Stomach, Glandular																									+	+	41
Tooth																									M		2

CARDIOVASCULAR SYSTEM

Blood Vessel																										+	1
Heart																									+	+	49

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

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TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

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Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

ENDOCRINE SYSTEM

Adrenal Cortex	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	4	
Histiocytic Sarcoma																							X		
Lymphoma Malignant																									
Adrenal Medulla	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	4	
Histiocytic Sarcoma																									
Pheochromocytoma Complex																									
Islets, Pancreatic	+	A	+	A	+	+	+	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	4	
Parathyroid Gland	+	+	+	M	+	M	+	+	+	+	+	+	+	+	M	M	+	+	M	M	M	+	+	M	+
Pituitary Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	X	+	+	M	+	+	+	+	+	
Pars Distalis, Adenoma																									
Thyroid Gland	+	A	+	M	+	+	+	+	+	+	+	+	+	+	+	A	+	M	+	+	+	+	+	4	

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE FEMALE 625 mg/l	DAY ON TEST ANIMAL ID																									* TOTALS
		0 7 2 9	0 6 4 8	0 6 2 0	0 5 4 9	0 7 3 1	0 7 3 0	0 7 2 9	0 7 3 1	0 7 2 9	0 7 3 0	0 7 2 9	0 7 3 1	0 7 2 9	0 7 3 0	0 7 2 9	0 7 3 1	0 7 2 9	0 7 3 1	0 7 2 9	0 7 3 1	0 7 2 9	0 7 3 1			

Uterus	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Histiocytic Sarcoma																										1
Lymphoma Malignant																										1
Cervix, Sarcoma																										1

HEMATOPOIETIC SYSTEM

Bone Marrow	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
-------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

Histiocytic Sarcoma																										1
---------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Lymph Node																										6
------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Lymphoma Malignant																										2
--------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Deep Cervical, Lymphoma Malignant																										1
-----------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Lumbar, Lymphoma Malignant																										2
----------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Mediastinal, Lymphoma Malignant																										1
---------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Renal, Histiocytic Sarcoma																										1
----------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Renal, Lymphoma Malignant																										2
---------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Lymph Node, Mandibular	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
------------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

Histiocytic Sarcoma																										1
---------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Lymphoma Malignant																										7
--------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Lymph Node, Mesenteric	+	A	+	A	+	+	+	+	+	A	+	+	+	+	+	A	+	A	+	+	+	+	+	+	45
------------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

Histiocytic Sarcoma																										1
---------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Lymphoma Malignant																										7
--------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Spleen	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	A	+	45
--------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

Histiocytic Sarcoma																										1
---------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

Lymphoma Malignant																										9
--------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE FEMALE 625 mg/l	DAY ON TEST ANIMAL ID																									* TOTALS		
		0 7 2 9	0 6 4 8	0 6 2 0	0 5 4 9	0 7 3 1	0 7 3 0	0 7 2 9	0 7 3 1	0 7 2 9	0 7 3 0																	
Thymus		+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	48	
Hemangiosarcoma																											1	
Histiocytic Sarcoma																											1	
Lymphoma Malignant																											7	
Rhabdomyosarcoma, Metastatic, Uncertain Primary Site																											1	
INTEGUMENTARY SYSTEM																												
Mammary Gland		+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	49
Histiocytic Sarcoma																											1	
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X	+	+	+	50	
Subcutaneous Tissue, Rhabdomyosarcoma, Metastatic, Uncertain Primary Site																											1	
Subcutaneous Tissue, Sarcoma																											4	
MUSCULOSKELETAL SYSTEM																												
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
NERVOUS SYSTEM																												
Brain		+	A	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	47	
RESPIRATORY SYSTEM																												
Lung		+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Alveolar/Bronchiolar Adenoma																											4	
Alveolar/Bronchiolar Carcinoma																											8	
Alveolar/Bronchiolar Carcinoma, Multiple																											2	

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

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+ .. Tissue examined microscopically

X .. Lesion present

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TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

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beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

		DAY ON TEST																						
		ANIMAL ID																						
B6C3F1 MICE FEMALE		625 mg/l																				* TOTALS		
Lymphoma	Malignant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	
		7	6	6	5	7	7	7	7	7	5	7	7	7	7	7	6	7	7	7	6	0	0	
		2	4	2	4	3	3	3	2	3	2	3	2	3	2	3	1	3	1	3	1	8	6	3
		9	8	0	9	1	1	0	9	0	1	2	1	9	0	1	7	0	1	0	7	6	9	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

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TDMS No. 20009 - 04

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Lab: BAT

B6C3F1 MICE FEMALE 1250 mg/l	DAY ON TEST ANIMAL ID	females (cont...)																								
		07 29	07 29	07 29	07 29	07 29	06 11	07 22	07 20	07 29	07 29	07 29	07 29	05 07	05 07	06 07										
Histiocytic Sarcoma		X																								
Lymphoma Malignant			X																							
Osteosarcoma, Metastatic, Bone				X																						
Mesentery Sarcoma					+	+																				
Pancreas																										
Lymphoma Malignant																										
Sarcoma, Metastatic, Mesentery																										
Salivary Glands																										
Stomach, Forestomach Squamous Cell Papilloma																										
Stomach, Glandular																										
Tongue Squamous Cell Carcinoma																										
Tooth					+																					

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemangiosarcoma																										
Pericardium, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																										

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor	M .. Missing tissue
+ .. Tissue examined microscopically	A .. Autolysis precludes evaluation
X .. Lesion present	BLANK .. Not examined microscopically
I .. Insufficient tissue	

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland

Ovary

Cystadenoma Hemangioma

* T

- .. Total animals with
- + .. Tissue examined
- X .. Lesion present
- | .. Insufficient tissue

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

Zymbal's Gland Lymphoma Malignant

URINARY SYSTEM

Kidney
Alveolar/Bronchiolar Carcinoma, Metastatic Lung
Lymphoma Malignant
Osteosarcoma, Metastatic, Bone
Renal Tubule, Adenoma

X

Urinary Bladder Lymphoma Malignant

+ + + + A + + + A A + M + + + + + A + + + + + + + + + +

SYSTEMIC LESIONS

Multiple Organ Histiocytic Sarcoma Lymphoma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

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Lab: BAT

ALIMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

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TDMS No. 20009 - 04

Test Type: CHRONIC

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beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE FEMALE 1250 mg/l	DAY ON TEST ANIMAL ID																									* TOTALS
		0 7 2 9	0 7 3 1	0 7 3 9	0 7 3 1	0 7 3 0	0 6 2 4	0 7 2 9	0 7 2 9	0 7 3 1	0 7 3 0	0 7 3 0	0 7 3 0	0 5 3 4	0 7 3 0	0 4 9 1	0 6 4 9	0 5 0 9	0 7 3 0	0 5 3 6						
Histiocytic Sarcoma																										1
Lymphoma Malignant																										7
Osteosarcoma, Metastatic, Bone																										1
Mesentery Sarcoma		+	+			+		+																	+	9
Pancreas		+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	45
Lymphoma Malignant									X																	2
Sarcoma, Metastatic, Mesentery																										1
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach Squamous Cell Papilloma		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
																										1
Stomach, Glandular		+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	41
Tongue Squamous Cell Carcinoma																										1
																										1
Tooth										+	+															9

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma																										1
Pericardium, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																										1

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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TDMS No. 20009 - 04

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First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

B6C3F1 MICE FEMALE 1250 mg/l	DAY ON TEST ANIMAL ID																					* TOTALS	
		0 7 2 9	0 7 3 1	0 7 3 9	0 7 3 1	0 7 3 0	0 6 6 4	0 7 2 9	0 7 2 9	0 7 3 1	0 7 3 0	0 7 3 0	0 7 3 0	0 5 7 4	0 4 9 4	0 6 9 1	0 5 0 9	0 7 3 0	0 5 3 6				
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Adenoma							X															1	
Lymphoma Malignant																						X	1
Sarcoma, Metastatic, Mesentery																						3	4
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant																						X	1
Islets, Pancreatic		+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	45	
Adenoma																						A	1
Parathyroid Gland		+	+	+	+	+	+	+	M	+	+	M	+	M	+	+	+	M	M	+	+	41	
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	M	+	+	I	+	+	+	+	A	+	46	
Pars Distalis, Adenoma									X												X	3	
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Follicular Cell, Adenoma																						X	1

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland

Ovary
 Cystadenoma
 Hemangioma

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

		DAY ON TEST	0 7 2 9	0 7 3 1	0 7 3 9	0 7 3 1	0 6 6 4	0 7 2 9	0 7 2 9	0 7 2 9	0 7 3 1	0 7 3 0	0 7 3 0	0 7 3 0	0 5 7 4	0 6 4 1	0 5 9 9	0 7 3 0	0 5 3 6	0 7 5 4	0 6 4 1	0 5 3 6				
		ANIMAL ID	0 0 3 7 6	0 0 3 7 7	0 0 3 8 9	0 0 3 9 0	0 0 3 2 1	0 0 3 3 2	0 0 3 3 3	* TOTALS																
B6C3F1 MICE FEMALE	1250 mg/l	Lymphoma Malignant																					2			
		Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	49	
		Hemangiosarcoma																					X		1	
		Histiocytic Sarcoma																							1	
HEMATOPOIETIC SYSTEM																										
Bone Marrow																										
		Lymph Node							+																	8
		Lymphoma Malignant																								1
		Bronchial, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																								1
		Bronchial, Lymphoma Malignant																								1
		Iliac, Lymphoma Malignant																								1
		Iliac, Sarcoma, Metastatic, Mesentery																								1
		Lumbar, Lymphoma Malignant																								2
		Mediastinal, Lymphoma Malignant																								3
		Mediastinal, Sarcoma, Metastatic, Mesentery																								1
		Pancreatic, Lymphoma Malignant																								1
		Renal, Lymphoma Malignant																								4
		Lymph Node, Mandibular																								47
		Lymphoma Malignant																								9
		Sarcoma, Metastatic, Mesentery																								1
		Lymph Node, Mesenteric																								46
		Lymphoma Malignant																								9
		Sarcoma, Metastatic, Mesentery																								1

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

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Route: DOSED WATER

Species/Strain: MICE/B6C3F1

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beta-Picoline

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Lab: BAT

B6C3F1 MICE FEMALE 1250 mg/l	DAY ON TEST ANIMAL ID																									* TOTALS	
		0 7 2 9	0 7 3 1	0 7 3 9	0 7 3 1	0 7 3 0	0 6 6 4	0 7 2 9	0 7 2 9	0 7 3 1	0 7 3 0	0 7 3 0	0 7 3 0	0 5 7 4	0 4 9 4	0 6 9 1	0 5 0 9	0 7 3 0	0 5 3 6	0 6 4 1	0 5 3 0	0 7 5 6					
Spleen		+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	A	46		
Fibrosarcoma																										1	
Lymphoma Malignant											X			X	X	X	X								11		
Thymus		+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	47		
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																										2	
Lymphoma Malignant																										9	
Sarcoma, Metastatic, Mesentery																										1	
INTEGUMENTARY SYSTEM																											
Mammary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Subcutaneous Tissue, Sarcoma																										4	
MUSCULOSKELETAL SYSTEM																											
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Osteosarcoma, Multiple																										1	
Skeletal Muscle																										1	
Sarcoma, Metastatic, Mesentery																										1	
NERVOUS SYSTEM																											
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Peripheral Nerve																											1

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 20009 - 04

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

beta-Picoline

CAS Number: 108-99-6

Date Report Requested: 05/27/2011

Time Report Requested: 09:52:35

First Dose M/F: 11/09/04 / 11/08/04

Lab: BAT

Spinal Cord

1

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar/Bronchiolar Adenoma										X													10	
Alveolar/Bronchiolar Adenoma, Multiple																							1	
Alveolar/Bronchiolar Carcinoma		X						X				X											9	
Alveolar/Bronchiolar Carcinoma, Multiple				X			X				X		X										4	
Hepatoblastoma, Metastatic, Liver																							1	
Hepatocellular Carcinoma, Metastatic, Liver																							4	
Lymphoma Malignant												X			X							X	4	
Osteosarcoma, Metastatic, Bone																							1	
Sarcoma, Metastatic, Mesentery																							1	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A		47	
Pleura																								1
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																								1
Trachea	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	44

SPECIAL SENSES SYSTEM

* .. Total animals with tissue examined microscopically: Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

